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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Oil, Gas & Mining**

MICHAEL R. STYLER  
Executive Director

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Division Director

**Inspection Report**  
**Minerals Regulatory Program**  
**Date of Report: July 9, 2008**

**Supervisor** *[Signature]*

**Mine Name:** Bromide Basin  
**Operator Name:** Unico

**Permit number:** S0170031  
**Inspection Date:** July 2, 2008  
**Time:** 2:30-3:50 PM

**Inspector(s):** Paul Baker and Brett Gregory  
**Other Participants:** None  
**Mine Status:** Inactive

**Weather:** Partly cloudy, 70s

*Elements of Inspection*

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Purpose of Inspection:**

I wanted to examine the site with the idea of determining a surety amount.

**Inspection Summary:**

**1. Permits, Revisions, Transfer, Bonds**

The operator has not submitted a reclamation surety, but the Division has not given the operator a surety amount. As a results of this inspection, I intend to determine a surety amount and give a deadline for submitting the surety.

According to annual reports, this site was last active in 2003.

**2. Public Safety (shafts, adits, trash, signs, highwalls)**

The mine has three portals which are all open (Photos 3, 5, and 8). Two of them are partly closed by rockfalls. They do not have gates or anything else preventing access.

There is a large amount of miscellaneous equipment and trash around the site, including old steel cans, a fuel storage tank, a lot of pipes and hoses, a compressor, a pump, corrugated steel, and many pieces of metal and other items whose use I do not know (Photos 1, 2, and 5).

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4. Deleterious Material

Just below the entrance road is a concrete structure in which there was a barrel and an oil bucket. The structure was filled with water and oil (Photo 2).

12. Other

Other facilities at the site include an outhouse and a small collapsed shed next to a bunkhouse (Photo 7), an explosives magazine, three sheds, about three ponds (Photo 6), and one or two tipples. It is hard to tell whether both of the structures are tipples because they are in bad repair.

I used a GPS unit to map and measure the size of the disturbed area and obtained a value of 3.41 acres. I understand from the former inspector, Tom Munson, that there may be some additional disturbance that I did not see. He took photos of these in 2002, but I am uncertain where they are.

There are a lot of disturbances on the mountain above the upper portals, but I understand these are not the operator's responsibility.

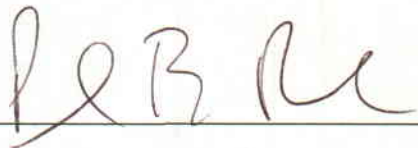
**Conclusions and Recommendations:**

The Division needs to give the operator a surety amount and require that it be submitted within a fairly short time. Before determining the amount, I need to speak with Buzz Rakow to get a better idea of the full extent of the operator's disturbances.

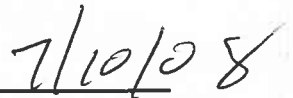
My report for the August 28, 2006, inspection said I would issue a notice of violation if, by the next inspection, the portals were not secured to prevent entry by the public. This has not been done, so I will be taking enforcement action.

The operator needs to clean up this site and get rid of, or neatly consolidate, all the miscellaneous debris. The barrel, oil bucket, and oily water need to be removed and properly disposed of. I will be taking enforcement action requiring that this be done.

Inspector's Signature



Date:



PBB:pb

cc: Unico  
Buzz Rakow, Hanksville BLM  
GPS map



**Photo 1.** This shows miscellaneous debris below one of the structures I believe to be a tippie.



**Photo 2.** A concrete structure filled nearly to the top with oil and water. It is about 10-15 feet from the stream.



**Photo 3.** One of the two portals in the upper portion of the mine site.



**Photo 4.** Three shacks and the explosives magazine in the upper portion of the mine.





**Photo 5. The second open portal in the upper portion of the mine.**



**Photo 6. One of the ponds.**



**Photo 7. This bunkhouse and partially-collapsed shed are next to the Middle Mine.**



**Photo 8. The Middle Mine portal.**



**Photo 9. There is a lot of disturbance on the mountain above the permitted mine. In this picture, it appears part of the waste pile has failed or eroded badly..**



Mine Number: S170031

Mine Name: BROMIDE BASIN

Township 31.0 S Range 10.0 E Section 34

Meridian: SLBM

Inspection Date: 2008/07/02  
Map Produced by DKS

Acres Disturbed	2.32
Acres Regraded	0
Acres Seeded	0
Road Acres Disturbed	1.09
Total Acres Disturbed	3.41
Acres Released	0
Acres Excluded	0
Acres PreExisting	0
Acres Prelaw	0

Legend  
All items symbolized in legend may not be appear on map

- Active Mines

● Inactive Mines

● Unknown Status

County Boundary

Interstate

US Route

State Route

Primary Route

Secondary Route

== Main Dirt Road

Unimproved Road

Interchange

Trail

Disturbed

Regraded

Seeded

Released

Excluded

PreExisting

Prelaw

Bond Area

SITLA Mineral Leases

BLM Salable Minerals

BLM Mining Notices

Community/PI

SITLA Mineral Ownership
- Township or range line location doubtful

--- Section line

--- Section line location doubtful

Access

Mine

NonMine

Reclaimed

Other

NAP imagery date 2006



0 625 Feet

1:7,500 1 inch equals 625 feet

Verify Scale

Dept. of Natural Resources  
Division of Oil, Gas, and Mining  
Mineral Mines Program  
7/9/2008 NAD 1982 UTM Zone 12N  
Different data sources and input scales may cause misalignment of data layers.  
This product may not meet COGMA standards for accuracy and content.